

Mammomat 3000/3000 Nova - Opdima®



Service

Modification Instructions

Upgrade to Opdima Software v 3.0

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General

The upgrading to Opdima Application Software (ASW) version 3.0 requires a SUN Ultra 10 and Opdima ASW version 2.1 or higher to be installed.

For configuration of DICOM nodes see Supplement to the Instructions for Use.

Contents of upgrade kit

- Opdima Software Installation CD-ROM version 3.0 (mat. no. 66 33 064)
- Opdima Solaris 8 Installation CD-ROM version 1.0 (mat. no. 66 33 049)
- Modification Instructions (this document, mat. no. 66 31 290)
- Installation and Start-Up Instructions (mat. no. 66 31 381)
- Service Instructions (mat. no. 66 31 175)
- Supplement to the Instructions for Use:
 - English (mat. no. 66 30 607)
 - German (mat. no. 66 31 191)
 - French (mat. no. 66 31 209)
 - Spanish (mat. no. 66 31 217)
 - Italian (mat. no. 66 31 233)
 - Swedish (mat. no. 66 31 241)
 - Finnish (mat. no. 66 31 225)
 - Russian (mat. no. 66 31 258)

NOTICE

Be sure to replace the old Supplement to the Instructions for Use with the new for Opdima ASW 3.0.

Meters and appliances required

- Protective ground wire tester (44 15 899 RV090)
- Stereo calibration phantom (included in the Opdima® delivery) (mat. no. 64 30 701)
- AEC calibration plexiglass, three plates measuring 150 mm x 150 mm x 19 mm (mat. no. 65 61 232) and one plate measuring 150 mm x 150 mm x 9.7 mm (mat. no. 65 61 224)
- Resolution phantom with at least 10 line pairs per mm
- 4.5 cm PMMA
- PC with a CD drive running Windows 95 or later by using Netscape Navigator™, version 4.0 or later, or Internet Explorer, version 4.0 or later (to be able to read Ultra 10 Service Manual).

Tools required

- Standard service tools

Time required

SW upgrade:

Approximately 1.5 hours for one person if normal backup procedures have been followed.

Upgrade to Opdima Application Software (ASW) version 3.0

Backup

NOTICE

The system hostname (opdxxxx) is needed to perform the installation. Normally the hostname can be viewed on the screen when the system is switched on. If not, use the 4 digits from the serial No. labelled on the workstation main unit to create a dummy hostname. Restore the correct hostname from a MO disk from the original system after the installation is completed, see "Restore hostname and data" on Page 2 - 2.

CAUTION

If no backup MO disk is available, use a local storage MO disk and perform a dummy exposure. Then the data on this local storage MO disk becomes the most recent and can be used for restoring configuration data.

1. Switch on the workstation.
2. Log in as service user.
3. Check the Disk Cache settings in the Advanced service dialog to make sure the default settings (75% and 50 images) are selected.
4. Press the backup button in the service dialog and check that the Backup enabled is selected.
5. Insert the latest backup MO disk. Enter Database mode and exit.
6. When a dialog box, "Perform system backup?" appears, select OK.

NOTICE

If no backup has been done for a while, this may take some time and require several MO disks.

7. After the backup is done, remove the MO disc.

Installation of Opdima Solaris 8 Installation CD-ROM (Mat. No. 66 33 049)

1. Enter the keys:
Stop and A simultaneously.
This will bring you to the OK prompt.
2. Insert the Operating environment installation CD-ROM.
3. Type "boot cdrom - install" and press Enter.
4. The system reboots.
In a few minutes, you will see a dialog box "The SOLARIS installation Program" appear. Select continue.
5. When a dialog box "Identify This System" appears, select continue.
6. When a dialog box "Hostname" appears. Enter the original hostname (opdxxxx) and select continue.
7. When a dialog box "Confirmation information" appears, select continue.

8. The installation script is running. This will take approximately 20 minutes.
9. The system reboots.
10. Login as root, no password required.
A text prompt appears asking you to insert the Opdima ASW 3.0 CD-ROM.

NOTICE

You have 20 seconds to insert the CD-ROM, otherwise the system goes back into login mode. If so start over with step 10.

Installation of Opdima Software Installation CD-ROM (Mat. No. 66 33 064)

1. Insert the Opdima ASW 3.0 CD-ROM.
2. Do you wish to install the required patches?
Type "y" and press Enter.
3. Do you wish to continue this installation?
Type "y" and press Enter.
This will take approx. 30 minutes.
4. To continue the installation. You have to reboot. Reboot now?
Type "y" and press Enter.
5. After reboot the installation program must be restarted. Press Enter to continue.
6. Login as root, no password required.
7. Do you wish to install the Opdima software and misc binaries?
Type "y" and press Enter.
8. To complete the installation. You have to reboot. Reboot now?
Type "y" and press Enter. A text prompt appears with the message "Ejecting CD-ROM...Done. Please remove the CD-ROM from the caddy! Press Enter to continue". Remove the CD-ROM and press Enter.

Restore hostname and data**CAUTION**

If no backup MO disk is available, use the local storage MO disk with the most recent data.

1. Log in as service user.
2. Select Service and Advanced service.
3. Insert the most recently used backup MO disk in the MO unit.
4. If the 4 digits from the serial No. labelled on the workstation main unit has been used as hostname and there are doubts if that is the correct hostname (which is the case when the computer has been exchanged), select Software upgrade and Restore hostname.

NOTICE

Restore hostname from most recently used backup MO disk.

5. Select Restore Disk and press Enter to restore data from MO disk (see Service Instructions). This copies the database from the MO disk to the hard disk.

CAUTION

When restoring data, be sure to insert the MO disk that was used most recently before the reinstallation of software.

Date for last update of MO disk is displayed on the monitor before confirmation of restore.

If the system is restored from an older MO disk, the most recent folders will be lost from the database and the numbering of the new MO disks can be incorrect. Please contact HSC for more information.

6. Select Restore and press Enter to copy the data to the hard disk.

NOTICE

Set-up the printer once again after software reinstallation. Printer information can not be restored.

Final procedures

1. Check in Database mode that the latest examination performed is available and the images can be viewed.
2. Check camera image quality in normal and high resolution. Use calibration exposure data, see Appendix 3 in the Service Instructions.
3. If the image shows defects e.g. lines, spots or irregularities such as 45 degree-mesh pattern, calibrate the camera according to the Service Instructions.
4. Check biopsy accuracy with the test phantom, if the accuracy is not within ± 1 mm in (x, y, z), calibrate the biopsy unit according to the Service Instructions.

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